Titles of most frequently occurring classifications of patents returned
from a search of 10587241 on Mar 25 , 2009

    18 704/260   (14 OR, 4 XR)
           Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
           704/200   .SPEECH SIGNAL PROCESSING
           704/258   ..Synthesis
           704/260   ...Image to speech

    10 704/258   (5 OR, 5 XR)
           Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
           704/200   .SPEECH SIGNAL PROCESSING
           704/258   ..Synthesis

     5 704/E13.004   (0 OR, 5 XR)
           Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
           704/E13.001   .SPEECH SYNTHESIS; TEXT TO SPEECH SYSTEMS (EPO)
           704/E13.002   ..Methods for producing synthetic speech; speech
synthesizers (EPO)
           704/E13.004   ...Sound editing, manipulating voice of the synthesizer
(EPO)

     5 704/219   (1 OR, 4 XR)
           Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
           704/200   .SPEECH SIGNAL PROCESSING
           704/201   ..For storage or transmission
           704/219   ...Linear prediction

     5 704/270   (0 OR, 5 XR)
           Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
           704/200   .SPEECH SIGNAL PROCESSING
           704/270   ..Application

     4 704/E13.011   (0 OR, 4 XR)
           Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
           704/E13.001   .SPEECH SYNTHESIS; TEXT TO SPEECH SYSTEMS (EPO)
           704/E13.011   ..Text analysis, generation of parameters for speech
synthesis out of text, e.g., grapheme to phoneme translation, prosody generation,
stress, or intonation determination, etc. (EPO)

     4 704/268   (1 OR, 3 XR)
           Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
           704/200   .SPEECH SIGNAL PROCESSING
           704/258   ..Synthesis
           704/268   ...Frequency element

     4 704/E13.013   (0 OR, 4 XR)
           Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
           704/E13.001   .SPEECH SYNTHESIS; TEXT TO SPEECH SYSTEMS (EPO)
           704/E13.011   ..Text analysis, generation of parameters for speech
synthesis out of text, e.g., grapheme to phoneme translation, prosody generation,
stress, or intonation determination, etc. (EPO)
           704/E13.013   ...Prosody rules derived from text (EPO)

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 4  704/262      (0 OR, 4 XR)
        Class 704     DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
        704/200        .SPEECH SIGNAL PROCESSING
        704/258        ..Synthesis
        704/262        ...Linear prediction


 4  704/223      (0 OR, 4 XR)
        Class 704     DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
        704/200        .SPEECH SIGNAL PROCESSING
        704/201        ..For storage or transmission
        704/221        ...Pattern matching vocoders
        704/223        ....Excitation patterns


 4  704/E13.008   (0 OR, 4 XR)
        Class 704     DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
        704/E13.001    .SPEECH SYNTHESIS; TEXT TO SPEECH SYSTEMS (EPO)
        704/E13.005    ..Details of speech synthesis systems, e.g., synthesizer
architecture, memory management, etc. (EPO)
        704/E13.008    ...Systems using speech synthesizers (EPO)


 3  704/200      (3 OR, 0 XR)
        Class 704     DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
        704/200        .SPEECH SIGNAL PROCESSING


 3  704/E19.02    (0 OR, 3 XR)
        Class 704     DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
        704/E19.001    .SPEECH OR AUDIO SIGNAL ANALYSIS-SYNTHESIS TECHNIQUES FOR
REDUNDANCY REDUCTION, E.G., IN VOCODERS, ETC.; CODING OR DECODING OF SPEECH OR AUDIO
SIGNALS; COMPRESSION OR EXPANSION OF SPEECH OR AUDIO SIGNALS, E.G., SOURCE-FILTER
MODELS, PSYCHOACOUSTIC ANALYSIS, ETC. (EPO)
        704/E19.01     ..Using spectral analysis, e.g., transform vocoders, subband
vocoders, perceptual audio coders, psychoacoustically based lossy encoding, etc.,
e.g., MPEG audio, Dolby AC-3, etc. (EPO)
        704/E19.02     ...Using orthogonal transformation (EPO)


 3  704/220      (2 OR, 1 XR)
        Class 704     DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
        704/200        .SPEECH SIGNAL PROCESSING
        704/201        ..For storage or transmission
        704/220        ...Analysis by synthesis


 3  704/266      (1 OR, 2 XR)
        Class 704     DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
        704/200        .SPEECH SIGNAL PROCESSING
        704/258        ..Synthesis
        704/266        ...Specialized model


 3  704/264      (3 OR, 0 XR)
        Class 704     DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
        704/200        .SPEECH SIGNAL PROCESSING
        704/258        ..Synthesis
        704/264        ...Excitation


 3  704/E13.007   (0 OR, 3 XR)
        Class 704     DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
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LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
      704/E13.001   .SPEECH SYNTHESIS; TEXT TO SPEECH SYSTEMS (EPO)
      704/E13.005   ..Details of speech synthesis systems, e.g., synthesizer
architecture, memory management, etc. (EPO)
      704/E13.007   ...Excitation (EPO)

  3 704/E13.009   (0 OR, 3 XR)
      Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
      704/E13.001   .SPEECH SYNTHESIS; TEXT TO SPEECH SYSTEMS (EPO)
      704/E13.009   ..Elementary speech units used in speech synthesizers;
concatenation rules (EPO)

  3 704/267   (0 OR, 3 XR)
      Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
      704/200   .SPEECH SIGNAL PROCESSING
      704/258   ..Synthesis
      704/267   ...Time element

  3 704/E13.003   (0 OR, 3 XR)
      Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
      704/E13.001   .SPEECH SYNTHESIS; TEXT TO SPEECH SYSTEMS (EPO)
      704/E13.002   ..Methods for producing synthetic speech; speech
synthesizers (EPO)
      704/E13.003   ...Concept-to-speech synthesizers; generation of natural
phrases not from text but from machine-based concepts (EPO)

  2 704/200.1   (1 OR, 1 XR)
      Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
      704/200   .SPEECH SIGNAL PROCESSING
      704/200.1   ..Psychoacoustic

  2 704/E19.035   (0 OR, 2 XR)
      Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
      704/E19.001   .SPEECH OR AUDIO SIGNAL ANALYSIS-SYNTHESIS TECHNIQUES FOR
REDUNDANCY REDUCTION, E.G., IN VOCODERS, ETC.; CODING OR DECODING OF SPEECH OR AUDIO
SIGNALS; COMPRESSION OR EXPANSION OF SPEECH OR AUDIO SIGNALS, E.G., SOURCE-FILTER
MODELS, PSYCHOACOUSTIC ANALYSIS, ETC. (EPO)
      704/E19.023   ..Using predictive techniques; codecs based on source-filter
modelization (EPO)
      704/E19.026   ...Determination or coding of the excitation function;
determination or coding of the long-term prediction characteristics (EPO)
      704/E19.035   ....Determination or coding of a code excitation; code
excited linear prediction (CELP) vocoders (EPO)

  2 704/E13.012   (0 OR, 2 XR)
      Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
      704/E13.001   .SPEECH SYNTHESIS; TEXT TO SPEECH SYSTEMS (EPO)
      704/E13.011   ..Text analysis, generation of parameters for speech
synthesis out of text, e.g., grapheme to phoneme translation, prosody generation,
stress, or intonation determination, etc. (EPO)
      704/E13.012   ...Grapheme to phoneme, detection of language (EPO)

  2 704/203   (1 OR, 1 XR)
      Class 704   DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
      704/200   .SPEECH SIGNAL PROCESSING
      704/201   ..For storage or transmission

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            704/203        ...Transformation

   2  704/222      (1 OR, 1 XR)
         Class 704      DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
            704/200        .SPEECH SIGNAL PROCESSING
            704/201        ..For storage or transmission
            704/221        ...Pattern matching vocoders
            704/222        ....Vector quantization

   2  704/E19.041  (0 OR, 2 XR)
         Class 704      DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
            704/E19.001   .SPEECH OR AUDIO SIGNAL ANALYSIS-SYNTHESIS TECHNIQUES FOR
REDUNDANCY REDUCTION, E.G., IN VOCODERS, ETC.; CODING OR DECODING OF SPEECH OR AUDIO
SIGNALS; COMPRESSION OR EXPANSION OF SPEECH OR AUDIO SIGNALS, E.G., SOURCE-FILTER
MODELS, PSYCHOACOUSTIC ANALYSIS, ETC. (EPO)
            704/E19.023   ..Using predictive techniques; codecs based on source-filter
modelization (EPO)
            704/E19.039   ...Details of speech and audio coders (EPO)
            704/E19.04    ....Vocoder architecture (EPO)
            704/E19.041   .....Vocoders using multiple modes (EPO)

   2  704/265      (1 OR, 1 XR)
         Class 704      DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
            704/200        .SPEECH SIGNAL PROCESSING
            704/258        ..Synthesis
            704/265        ...Interpolation

   2  704/218      (1 OR, 1 XR)
         Class 704      DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
            704/200        .SPEECH SIGNAL PROCESSING
            704/201        ..For storage or transmission
            704/211        ...Time
            704/216        ....Correlation function
            704/218        .....Cross-correlation

   2  704/221      (0 OR, 2 XR)
         Class 704      DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
            704/200        .SPEECH SIGNAL PROCESSING
            704/201        ..For storage or transmission
            704/221        ...Pattern matching vocoders

   2  704/235      (0 OR, 2 XR)
         Class 704      DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
            704/200        .SPEECH SIGNAL PROCESSING
            704/231        ..Recognition
            704/235        ...Speech to image

   2  704/261      (1 OR, 1 XR)
         Class 704      DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
            704/200        .SPEECH SIGNAL PROCESSING
            704/258        ..Synthesis
            704/261        ...Vocal tract model

   2  704/E13.002  (0 OR, 2 XR)
         Class 704      DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
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       704/E13.001    .SPEECH SYNTHESIS; TEXT TO SPEECH SYSTEMS (EPO)
       704/E13.002    ..Methods for producing synthetic speech; speech
synthesizers (EPO)

  2  704/500       (2 OR, 0 XR)
       Class 704       DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
       704/500        .AUDIO SIGNAL BANDWIDTH COMPRESSION OR EXPANSION

  2  704/E21.011   (0 OR, 2 XR)
       Class 704       DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
       704/E21.001    .MODIFICATION OF AT LEAST ONE CHARACTERISTIC OF SPEECH WAVES
(EPO)
       704/E21.002    ..Speech enhancement, e.g., noise reduction, echo
cancellation, etc. (EPO)
       704/E21.003    ...Applications (EPO)
       704/E21.009    ....Enhancement of intelligibility of clean or coded speech
(EPO)
       704/E21.011    .....Bandwidth extension taking place at the receiving side,
e.g., generation of low- or high-frequency components, regeneration of spectral
holes, etc. (EPO)

  2  704/E13.006   (0 OR, 2 XR)
       Class 704       DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
       704/E13.001    .SPEECH SYNTHESIS; TEXT TO SPEECH SYSTEMS (EPO)
       704/E13.005    ..Details of speech synthesis systems, e.g., synthesizer
architecture, memory management, etc. (EPO)
       704/E13.006    ...Architecture of speech synthesizers (EPO)

  2  455/66.1      (1 OR, 1 XR)
       Class 455       TELECOMMUNICATIONS
       455/39         .TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
       455/66.1       ..Having diverse art device

  2  707/E17.009   (0 OR, 2 XR)
       Class 707       DATA PROCESSING:  DATABASE AND FILE MANAGEMENT OR DATA
STRUCTURES
       707/E17.001    .INFORMATION RETRIEVAL; DATABASE STRUCTURES THEREFORE (EPO)
       707/E17.009    ..Information processing systems, e.g., multimedia systems,
etc. (EPO)
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